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WATER ABSORBING RESIN COMPOSITION

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Abstract

PURPOSE:A resin composition, prepared by incorporating a powdery water- insoluble and water absorbing resin with a specific amount of a polyhydric alcohol, and capable of promoting the uniform permeation of water and exhibiting a remarkably high water absorption rate.
CONSTITUTION:A water absorbing resin composition prepared by incorporating (A) a powdery water-insoluble and water absorbing resin, e.g. a water-insoluble hydrophilic crosslinked polymer obtained by polymerizing a water-soluble monomer and/or a monomer made soluble in water by the hydrolysis, a polysaccharide and a crosslinking agent, and if necessary hydrolyzing the resultant polymer with (B) 0.001-5wt%, preferably 0.01-2wt%, based on the component (A), bi--octavalent polyhydric alcohol and/or oxyalkylene ether thereof, preferably bi--trivalent for the former and bi--tetravalent for the latter. Ethylene glycol, propylene glycol, glycerol and an ethylene oxide (EO) or propylene oxide (PO) adduct thereof having <=2,000cP viscosity at 25 deg.C is preferably used as the component (B).

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